

Product Data Sheet

Product Name: Synephrine

Cat. No.: GC38438

Chemical Properties

Cas. No. 94-07-5

SMILES OC(C1=CC=C(O)C=C1)CNC

Formula C9H13NO2

M.Wt 167.21

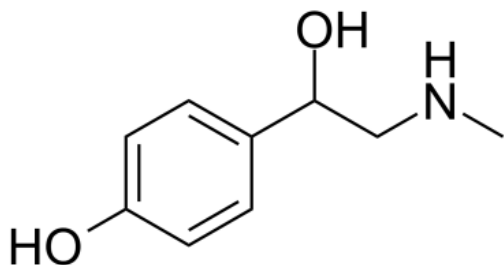
Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Synephrine (Oxedrine) is an α -adrenergic and β -adrenergic agonist derived from the Citrus aurantium, it has sympathomimetic and structural similarities to ephedra and ephedrine alkaloids[1][2].

Synephrine (1 mg/kg; oral gavage; for 8 days; PVL and BDL rats) significantly ameliorates the hyperdynamic state in both PVL and BDL rats. The portal venous pressure in PVL and BDL rats, portal tributary blood flow and cardiac index are significantly reduced, while mean arterial pressure

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

and systemic as well as portal territory vascular resistance are enhanced by treatment of Synephrine[2]. Animal Model: Portal vein ligation (PVL) or bile duct ligation (BDL) rats[2]

[1]. Thomas JE, et al. STEMI in a 24-year-old man after use of a synephrine-containing dietary supplement: a case report and review of the literature. Tex Heart Inst J. 2009;36(6):586-90. [2]. Huang YT, et al. Hemodynamic effects of synephrine treatment in portal hypertensive rats. Jpn J Pharmacol. 2001 Feb;85(2):183-8.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA